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(54) NICKEL ELECTRODE AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a nickel electrode with which a high energy density and a high output density are available.

SOLUTION: This nickel electrode contains nickel hydroxide powder whose surface is coated with a metal plating coat containing fine thermoplastic resin particles. The plating coat is porous and allows molecules of water and hydroxide ions to diffuse into it. The electrode is made by press molding the nickel hydroxide powder whose surface is coated with the metal plating coat containing the fine thermoplastic resin particles, at a temperature under a thermal cracking temperature of the thermoplastic resin, or by filling an electrode substrate with a paste of the nickel hydroxide powder having the metal plating coat.

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